

Title (en)
HEAD-MOUNTED DISPLAY DEVICE AND METHOD THEREOF

Title (de)
KOPFMONTIERTE ANZEIGEVORRICHTUNG UND VERFAHREN DAFÜR

Title (fr)
VSIOCASQUE ET PROCÉDÉ ASSOCIÉ

Publication
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Application
EP 21179741 A 20171219

Priority

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Abstract (en)

A head-mounted display device (HMD) (100) configured to be worn by a user (121) is provided. The HMD comprises an at least partially see-through display (101), a front-facing camera (102) operative to capture a first image of a real-world scene, a wireless-communications interface (105), and processing means (104) which is operative to select a calibration object from one or more real-world objects, or parts thereof, (130-135) which are visible in the first image, and derive a calibration transformation, using the selected calibration object, for calculating a display position based on a real-world position, such that a virtual object which is displayed on the display at the display position is aligned with a corresponding real-world object located at the real-world position, as seen by the user. The calibration object is selected by identifying, using the wireless-communications interface, a communications device (130) comprising a display (131) among the one or more real-world objects, and selecting as the calibration object at least one of the display (131) of the communications device and graphical content (132) displayed thereon.

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Citation (applicant)

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